

CLAIMS

5 1. An audiocassette adapter for coupling a mobile wireless communication station to an audiocassette player, comprising:

a cassette head coupling device;

a cassette adapter insertion detect switch;

a mobile wireless communication station coupling device having a mobile wireless communication station audio input coupled to the cassette head coupling device,

the mobile wireless communication station coupling device having an insertion detect signal output coupled to the cassette adapter insertion detect switch.

15 2. The audiocassette adapter of Claim 1, the audiocassette adapter having a multimedia accessory coupling device having a multimedia input coupled to the cassette head coupling device.

20 3. The audiocassette adapter of Claim 2, the multimedia accessory coupling device having a multimedia mute output coupled to a multimedia mute input on the mobile wireless communication station coupling device.

4. The audiocassette adapter of Claim 1, the cassette adapter insertion detect switch having a state for indicating that the cassette head coupling device is operably coupled to a head of the audiocassette player.

5. The audiocassette adapter of Claim 1, an audiocassette player command control signal output on the cassette adapter.

6. The audiocassette adapter of Claim 1, a control signal output on the cassette adapter coupled to an audiocassette player command signal generator for outputting control signals in response to audiocassette player commands.

7. The audiocassette adapter of Claim 6, the audiocassette player commands include play, forward, rewind, stop and pause.

8. An audiocassette adapter for coupling a mobile electronic device to an audiocassette player, comprising:

a cassette head coupling device;

a mobile electronic device input coupled to the cassette head coupling device;

an audiocassette player command signal generator;

a control signal output coupled to the audiocassette player command commands signal generator.

5 9. The audiocassette adapter of Claim 8, the audiocassette player
command signal generator for outputting unique control signals in response to
corresponding audiocassette player commands.

10 10. The audiocassette adapter of Claim 8, the audiocassette player
command signal generator comprising a rotational transducer with a transducer
output coupled to the control signal output of the audiocassette adapter.

15 11. The audiocassette adapter of Claim 10, the audiocassette player
command signal generator comprising a rotatable spur gear having a conductive
portions separated by nonconductive portions, first and second slide contacts
contacting the rotatable spur gear.

20 12. The audiocassette adapter of Claim 8, the audiocassette player
command signal generator comprising a cassette head actuatable switch with a
switch output coupled to the control signal output of the audiocassette adapter.

25 13. The audiocassette adapter of Claim 8, the audiocassette player
command signal generator comprising a momentary switch including first and
second contacts, one of the first and second contacts disposed on a spring biased
cassette head actuatable member.

14. The audiocassette adapter of Claim 8,

the audiocassette player command signal generator comprising an
cassette head actuatable switch, the audiocassette player command signal
generator comprising a rotational transducer;

a logic device having an output coupled to the control signal output;

a switch output of the audiocassette player head actuatable switch
coupled to an input of the logic device, a transducer output of the rotational
transducer coupled to another input of the logic device.

15. The audiocassette adapter of Claim 14, the audiocassette player
command signal generator for outputting unique control signals in response to
corresponding audiocassette player commands.

16. A method for coupling a mobile wireless communications station
to an audio system with a cassette adapter disposable in a cassette player,
comprising:

detecting when the cassette adapter is disposed operably in the
cassette player;

providing a cassette adapter insertion detect signal to a mobile
wireless communication station coupling device output on the cassette adapter
when the cassette adapter is disposed operably in the cassette player.

17. The method of Claim 16, providing a multimedia device mute signal to a multimedia output of the cassette adapter.

5 18. The method of Claim 16, providing the multimedia device mute signal to a multimedia output of the cassette adapter when receiving an audio signal at an audio at a mobile wireless communication station audio input of the cassette adapter.

10 19. The method of Claim 16, providing a control signal at a control signal output of the cassette adapter in response to an audiocassette player command.

15 20. The method of Claim 16, providing control signals at a control signal output of the cassette adapter by generating unique control signals with one of a rotational transducer of the cassette adapter and a momentary switch of the cassette adapter in response to audiocassette player play, forward, rewind, stop
20 and pause commands.